



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION

is hereby granted to

ARDL, INC.
400 AVIATION DRIVE, P.O. BOX 1566
MT. VERNON, IL 62864

NELAP ACCREDITED
ACCREDITATION NUMBER #100308



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
Supervisor
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 003938
Expiration Date: 04/30/2017
Issued On: 09/16/2016

**State of Illinois
Environmental Protection Agency**

Certificate No.: 003938

Awards the Certificate of Approval to:

ARDL, Inc.
400 Aviation Drive, P.O. Box 1566
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According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

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FOT Name: Non Potable Water, Inorganic

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron
Lead	Magnesium
Manganese	Nickel
Potassium	Selenium
Silver	Sodium
Thallium	Vanadium
Zinc	

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

Chloride	Fluoride
Nitrate	Orthophosphate (as P)
Sulfate	

FOT Name: Non Potable Water, Organic

Method: USEPA608

Matrix Type: NPW

4,4'-DDD	4,4'-DDE
4,4'-DDT	Aldrin
alpha-BHC	beta-BHC
delta-BHC	Dieldrin
Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin
Endrin aldehyde	gamma-BHC (Lindane)

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FOT Name: Non Potable Water, Organic

Method: USEPA608

Matrix Type: NPW

Heptachlor epoxide	Heptachlor
PCB-1016	Methoxychlor
PCB-1232	PCB-1221
PCB-1248	PCB-1242
PCB-1260	PCB-1254

Method: USEPA624

Matrix Type: NPW

1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane	1,1-Dichloroethane
1,1-Dichloroethene	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane
1,3-Dichlorobenzene	1,4-Dichlorobenzene
Acrylonitrile	Benzene
Bromodichloromethane	Bromoform
Bromomethane	Carbon tetrachloride
Chlorobenzene	Chloroethane
Chloroform	Chloromethane
cis-1,3-Dichloropropene	Dibromochloromethane
Dichloromethane (Methylene chloride)	Ethylbenzene
Methyl tert-butyl ether (MTBE)	Tetrachloroethene
Toluene	trans-1,2-Dichloroethene
trans-1,3-Dichloropropene	Trichloroethene
Trichlorofluoromethane	Vinyl chloride
Xylenes (total)	

Method: USEPA625

Matrix Type: NPW

1,2,4-Trichlorobenzene	1,2-Dichlorobenzene
1,3-Dichlorobenzene	1,4-Dichlorobenzene
2,2-Oxybis (2-chloropropane)	2,4,5-Trichlorophenol
2,4,6-Trichlorophenol	2,4-Dichlorophenol
2,4-Dimethylphenol	2,4-Dinitrophenol
2,4-Dinitrotoluene (2,4-DNT)	2,6-Dinitrotoluene (2,6-DNT)
2-Chloronaphthalene	2-Chlorophenol

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FOT Name: Non Potable Water, Organic

Method: USEPA625

Matrix Type: NPW

2-Nitrophenol	2-Methyl-4,6-dinitrophenol
4-Bromophenyl phenyl ether	3,3'-Dichlorobenzidine
4-Chlorophenyl phenyl ether	4-Chloro-3-methylphenol
Acenaphthene	4-Nitrophenol
Anthracene	Acenaphthylene
Benzo(a)pyrene	Benzo(a)anthracene
Benzo(g,h,i)perylene	Benzo(b)fluoranthene
Benzyl butyl phthalate	Benzo(k)fluoranthene
Bis(2-chloroethyl) ether	Bis(2-chloroethoxy) methane
Chrysene	Bis(2-ethylhexyl) phthalate
Diethyl phthalate	Dibenz(a,h)anthracene
Di-n-butyl phthalate	Dimethyl phthalate
Fluoranthene	Di-n-octyl phthalate
Hexachlorobenzene	Fluorene
Hexachlorocyclopentadiene	Hexachlorobutadiene
Indeno(1,2,3-cd) pyrene	Hexachloroethane
Naphthalene	Isophorone
N-Nitrosodimethylamine	Nitrobenzene
N-Nitrosodiphenylamine	N-Nitrosodi-n-propylamine
Phenanthrene	Pentachlorophenol
Pyrene	Phenol

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1311

Matrix Type: NPW/SCM

TCLP (Organic and Inorganic)

Method: 6010B

Matrix Type: NPW/SCM

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 6010B

Matrix Type: NPW/SCM

Magnesium
Nickel
Selenium
Sodium
Vanadium

Lead
Manganese
Potassium
Silver
Thallium
Zinc

Method: 6010C

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Manganese
Potassium
Silver
Thallium
Zinc

Antimony
Barium
Boron
Calcium
Cobalt
Iron
Magnesium
Nickel
Selenium
Sodium
Vanadium

Method: 7470A

Matrix Type: NPW/SCM

Mercury

FOT Name: Solid and Chemical Materials, Organic

Method: 8021B

Matrix Type: NPW/SCM

MTBE (Methyl-t-butyl ether)

Method: 8081B

Matrix Type: NPW/SCM

4,4'-DDD
4,4'-DDT
alpha-BHC
beta-BHC
Dieldrin

4,4'-DDE
Aldrin
alpha-Chlordane
delta-BHC
Endosulfan I

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FOT Name: Solid and Chemical Materials, Organic

Method: 8081B

Matrix Type: NPW/SCM

Endosulfan sulfate
 Endrin aldehyde
 gamma-BHC (Lindane)
 Heptachlor
 Methoxychlor

Endosulfan II
 Endrin
 Endrin ketone
 gamma-Chlordane
 Heptachlor epoxide

Method: 8082

Matrix Type: NPW/SCM

PCB-1016
 PCB-1232
 PCB-1248
 PCB-1260

PCB-1221
 PCB-1242
 PCB-1254

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
 1,1,1,2-Tetrachloroethane
 1,1-Dichloroethane
 1,1-Dichloropropene
 1,2,3-Trichloropropane
 1,2,4-Trimethylbenzene
 1,2-Dibromoethane (EDB)
 1,2-Dichloroethane
 1,3,5-Trimethylbenzene
 1,3-Dichloropropane
 2,2-Dichloropropane
 2-Chlorotoluene
 4-Chlorotoluene
 Acetone
 Benzene
 Bromochloromethane
 Bromoform
 Carbon disulfide
 Chlorobenzene
 Chloroethane

1,1,1-Trichloroethane
 1,1,2-Trichloroethane
 1,1-Dichloroethene
 1,2,3-Trichlorobenzene
 1,2,4-Trichlorobenzene
 1,2-Dibromo-3-chloropropane (DBCP)
 1,2-Dichlorobenzene
 1,2-Dichloropropane
 1,3-Dichlorobenzene
 1,4-Dichlorobenzene
 2-Butanone (Methyl ethyl ketone, MEK)
 2-Hexanone
 4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)
 Acrylonitrile
 Bromobenzene
 Bromodichloromethane
 Bromomethane
 Carbon tetrachloride
 Chlorodibromomethane (Dibromochloromethane)
 Chloroform

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

cis-1,2-Dichloroethene
Dibromomethane
Dichloromethane (Methylene chloride)
Hexachlorobutadiene
m&p-xylene
Naphthalene
n-Propylbenzene
p-Isopropyltoluene
Styrene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl chloride

Chloromethane
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Ethylbenzene
Isopropylbenzene
Methyl-t-butyl ether
n-Butylbenzene
o-Xylene
sec-Butylbenzene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Xylenes (Total)

Method: 8260C

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,2-Dibromoethane
1,2-Dichloroethane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
2,2-Dichloropropane
2-Chlorotoluene
4-Chlorotoluene
Acetone
Benzene
Bromochloromethane
Bromoform
Carbon disulfide
Chlorobenzene

1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane
1,2-Dichlorobenzene
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (MEK)
2-Hexanone
4-Methyl-2-pentanone (MIBK)
Acrylonitrile
Bromobenzene
Bromodichloromethane
Bromomethane
Carbon tetrachloride
Chlorodibromomethane

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260C

Matrix Type: NPW/SCM

Chloroform
cis-1,2-Dichloroethene
Dibromomethane
Ethylbenzene
Isopropylbenzene
Methyl tert-butyl ether (MTBE)
Naphthalene
n-Propylbenzene
p-Isopropyltoluene
Styrene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl chloride

Chloroethane
Chloromethane
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Hexachlorobutadiene
m&p-xylene
Methylene chloride
n-Butylbenzene
o-Xylene
sec-Butylbenzene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Xylenes (total)

Method: 8270C

Matrix Type: NPW/SCM

1,2,4,5-Tetrachlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Methylphenol (o-Cresol)
2-Nitrophenol
3-Nitroaniline
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Methylphenol (p-Cresol)
4-Nitrophenol
Acenaphthylene
Benzo(a)anthracene
Benzo(b)fluoranthene

1,2,4-Trichlorobenzene
1,2-Diphenylhydrazine
1,4-Dichlorobenzene
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitroaniline
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether
4-Nitroaniline
Acenaphthene
Anthracene
Benzo(a)pyrene
Benzo(g,h,i)perylene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Fluorene
Hexachlorobutadiene
Hexachloroethane
Isophorone
Nitrobenzene
N-Nitrosodi-n-propylamine
Pentachlorophenol
Phenol
Pyridine

Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachlorocyclopentadiene
Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

Method: 8270D

Matrix Type: NPW/SCM

1,2,4,5-Tetrachlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Methylphenol (o-Cresol)
2-Nitrophenol
3-Nitroaniline
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Methylphenol (p-Cresol)
4-Nitrophenol

1,2,4-Trichlorobenzene
1,2-Diphenylhydrazine
1,4-Dichlorobenzene
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitroaniline
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether
4-Nitroaniline
Acenaphthene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270D

Matrix Type: NPW/SCM

Anthracene
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Fluorene
Hexachlorobutadiene
Hexachloroethane
Isophorone
Nitrobenzene
N-Nitrosodi-n-propylamine
Pentachlorophenol
Phenol
Pyridine

Acenaphthylene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Carbazole
Dibenz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachlorocyclopentadiene
Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

Method: 8330

Matrix Type: NPW/SCM

1,3,5-Trinitrobenzene (1,3,5-TNB)
2,4,6-Trinitrotoluene (2,4,6-TNT)
2,6-Dinitrotoluene (2,6-DNT)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
Nitrobenzene
o-Nitrotoluene (2-Nitrotoluene, 2-NT)

1,3-Dinitrobenzene (1,3-DNB)
2,4-Dinitrotoluene (2,4-DNT)
2-Amino-4,6-dinitrotoluene (2-Am-DNT)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
m-Nitrotoluene (3-Nitrotoluene, 3-NT)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)
p-Nitrotoluene (4-Nitrotoluene, 4-NT)

Method: 8330A

Matrix Type: SCM

1,3,5-Trinitrobenzene (1,3,5-TNB)
2,4,6-Trinitrotoluene (2,4,6-TNT)

1,3-Dinitrobenzene (1,3-DNB)
2,4-Dinitrotoluene (2,4-DNT)

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FOT Name: Solid and Chemical Materials, Organic

Method: 8330A

Matrix Type: SCM

2-Amino-4,6-dinitrotoluene (2-Am-DNT)
3-Nitrotoluene (3-NT)
4-Nitrotoluene (4-NT)
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine(HMX)

2,6-Dinitrotoluene (2,6-DNT)
2-Nitrotoluene (2-NT)
4-Amino-2,6-dinitrotoluene (4-Am-DNT)
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
Nitrobenzene